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March 11, 1998

Mr. Wes Bartley
USEPA - Region 7 - Region 7
726 Minnesota Ave.
Kansas City, Kansas 66101

RE: Status of Completed Remediation Program, Safety-Kleen Corp. Service Center, Wichita, Kansas (KSD000809723)

Dear Mr. Bartley:

This letter is being submitted to provide USEPA - Region 7 and the Kansas Department of Health and Environment (KDHE) with a status report on the subsurface remediation program completed at the Safety-Kleen Corp. (S-K) Service Center in Wichita, Kansas. As you know, S-K operated an in-situ soil vapor extraction system to remediate subsurface soil at this facility from October 1991 through December 1996. An in-situ air sparging system was installed and operated at the same facility from September 1994 through December 1996 to remediate groundwater.

S-K monitored the groundwater quality at the facility as part of the completed assessment and remediation programs. The groundwater quality was monitored from October 1989 through December 1996. By the end of 1996, monitoring results indicated that the detected concentrations of residual constituents had remained below USEPA - Region 7 maximum contaminant levels or risk-based levels for four consecutive quarters. During a teleconference held on February 14, 1997, between S-K, TriHydro Corporation, USEPA - Region 7, and KDHE, it was agreed that the residual impacts at the site appeared to have been remediated to acceptable levels. Additionally, USEPA - Region 7 and KDHE concurred that S-K could terminate the remediation/monitoring program at the site. A summary of the teleconference results was submitted to USEPA - Region 7 and KDHE in a letter, dated April 11, 1997.

During the week of August 18, 1997, S-K decommissioned and disconnected the remediation equipment, plugged the remediation and monitoring wells, and plugged or removed the associated piping and electrical appurtenances. Attached, for your information, is a memorandum from TriHydro Corporation that provides a brief project summary and describes the monitoring/remediation system decommissioning activities and the final site conditions.

The activities described above, were completed under the supervision of Mr. Joe Herrin, S-K Senior Project Manager, Remediation Department. Mr. Herrin is no longer with S-K. I have recently assumed Mr. Herrin's responsibilities as the Senior Project Manager for HSWA issues pertaining to this site. Ms. Loskosky, is still handling the non-HSWA permit issues for this facility. In the future, please forward any pertinent correspondence regarding HSWA permit conditions to my attention at the following address: 2720 Girard NE, Albuquerque, New Mexico 87107.

ONE BRINCKMAN WAY ELGIN, ILLINOIS 60123-7857 PHONE 847/697-8460 FAX 847/468-8500

S-K appreciates the cooperation you provided during completion of this project. If you have any further questions or need additional information, please feel free to contact me at (505) 888-3952.

Sincerely,

for Sara Brothers, Senior Project Manager - Remediation
Safety-Kleen Corp.

BH/052-004

cc: Mary Bitney (KDHE)
Keith Marcott (letter only)
Diana Luetner (letter only)
Karen Loskosky (letter only)
TriHydro Corporation (letter only)

Attachment

MEMORANDUM

TO: Sara Brothers and Keith Marcott - Safety-Kleen Corp.

FROM: TriHydro Corporation (Project No. 052-004)

DATE: December 15, 1997

RE: Remediation System Removal and Final Site Conditions at the Former Safety - Kleen (S-K) Service Center, 1311 S. Anna, Wichita, Kansas

Introduction

TriHydro Corporation coordinated decommissioning, disconnected, and stored the remediation equipment and plugged the monitoring wells and piping during the week of August 18, 1997. Layne, Inc. provided the well grouting and surface restoration services. Kane Construction, Inc. provided construction and electrical services during the SVES and AS system decommissioning. This memorandum presents a brief project summary and describes the monitoring/remediation systems decommissioning activities and the final site conditions.

Brief Project Summary

S-K has operated a branch service center at 1311 South Anna street in Wichita, Kansas since 1975. A soil-vapor-extraction system (SVES) was installed at the facility to address soil impacts detected during partial facility closure activities (USTs). S-K continued to operate the systems and monitor groundwater quality through the end of the closure period (August 1993), as per the corrective action conditions of the facility permit.

In August 1994, S-K installed an in-situ air sparging (AS) system to address residual groundwater impacts at the site. The locations of these former remediation units and monitoring wells are shown on Figure 1 (Attachment 1). The SVES/AS monitoring activities included offsite and onsite groundwater and SVES emissions sampling.

The final groundwater monitoring results indicated the presence of residual mineral spirits range hydrocarbons and associated constituents at levels well below the MCLs (where they exist) and/or risk-based levels. Based on these results, groundwater quality impacts appeared to have been remediated to the extent practical and necessary at this site. During a teleconference on February 14, 1997, KDHE and USEPA concurred that the impacts at the site appeared to have been remediated to acceptable levels. Additionally, KDHE and USEPA concurred that S-K may terminate the remediation/monitoring program, remove the remediation equipment , and plug and abandon the remediation/monitoring wells at the site. Completion of remediation was documented in a letter to USEPA/KDHE dated April 11, 1997.

Decommissioning Monitoring/Remediation Systems

The well plugging and remediation system decommissioning activities were coordinated with S-K and appropriate regulatory agencies prior to the beginning work. Onsite observation/ documentation were performed by TriHydro Corporation personnel. The decommissioning/plugging activities included the following:

1. Four SVES wells (VE-1 through VE-4) were plugged and abandoned. The well head assembly was removed from each SVES well and the PVC casing was cut off at a depth of at least 3 ft below ground surface (bgs). Each well was then grouted from total depth to approximately 3 ft-bgs.

2. The SVES electrical wiring and conduit were disconnected and/or removed. All of buried PVC pipes connecting the SVES wells to the SVES equipment were disconnected and plugged with cement grout. The disconnected SVES unit is being temporarily stored in the metal equipment enclosure.

3. Eight groundwater monitoring wells (A-1 through A-8) were plugged and abandoned. The well casing at each well was cut off at a depth of at least 3 ft-bgs. The remaining well casing was grouted from total depth to approximately 3 ft-bgs with cement grout.

4. Three air-sparging wells (AS-1 through AS-3) were plugged and abandoned. The well casing at each well was cut off at least 3 ft-bgs. The remaining well casing was grouted from total depth to approximately 3 ft-bgs with a cement grout.

5. Electrical wiring and power pole were removed to the AS unit. The aboveground piping were disconnected and removed. Electrical wires were cut and the further removal activity upon S-K's request. The self-contained AS unit is being temporarily stored in the former SVES unit enclosure.

6. The wellhead completion boxes and protective posts were removed. Subsequently, the remaining excavations were backfilled with clean compacted sand/gravel. The surface was then patched with concrete or asphalt to match the surrounding grade.

The final site condition were inspected and documented after the completion of the activities described above. The SVES and AS systems are being temporarily stored in the SVES shed (location shown on Figure 1). The photographs in Attachment 2 are presented to be representative of current site conditions. The SVES and AS components remaining at the site are listed in Attachment 3. If you have any questions or need additional information, please feel free to call us at (307) 745-7474.

ATTACHMENT 1

SITE MAP

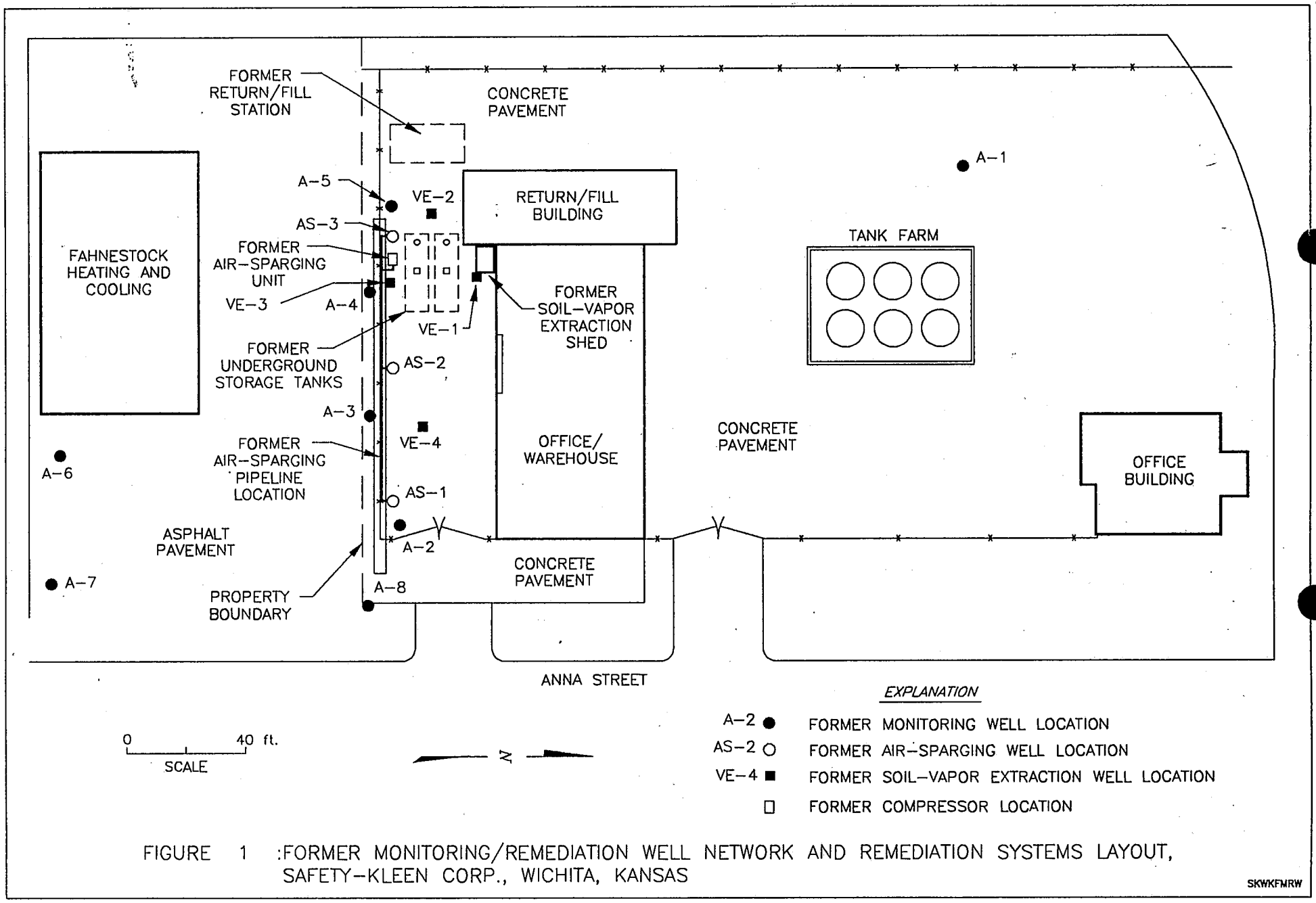

FIGURE 1 :FORMER MONITORING/REMEDIATION WELL NETWORK AND REMEDIATION SYSTEMS LAYOUT, SAFETY-KLEEN CORP., WICHITA, KANSAS

SKWKFMRW

ATTACHMENT 2

PHOTO DOCUMENTATION

PHOTOGRAPH DESCRIPTIONS

Photograph No.	
1	Former groundwater monitoring well location, Well A-1
2	Former groundwater monitoring well location, Well A-2
3	Former groundwater monitoring well location, wells A-3 and A-4
4	Former groundwater monitoring well location, Well A-5
5	Former groundwater monitoring well location, wells A-6 and A-7
6	Former groundwater monitoring well location, Well A-8
7	Former air-sparging well location, Well AS-1
8	Former air-sparging well location, Well AS-2
9	Former air-sparging well location, Well AS-3
10	Former soil-vapor-extraction shed and well location, Well VE-1
11	Former soil-vapor-extraction well location, Well VE-2
12	Former soil-vapor-extraction well location, Well VE-3
13	Former soil-vapor-extraction well location, Well VE-4
14 to 16	Former soil-vapor-extraction and air-sparging units stored in former SVES shed

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ATTACHMENT 3

LIST OF SOIL-VAPOR-EXTRACTION UNIT AND AIR-SPARGING UNIT COMPONENTS

052-004

Faxed To Keith Marcott 9/16/93

FPI - Decommissioned equipment at Wichita, KS.

AirSparge Unit - Wichita Kansas
Enclosed in weather proof Metal Box

Component List

1. Air Compressor - Gast Model 6066
   5 Hp, 1750 RPM, 230/460 volt 3 phase.
   Capable of 48 CFM @ 15 PSIG.

2. Electrical Equipment

   NEC location - Class I Div 1 Group D in enclosures

   Motor - GE 5 Hp 230/460 volt 3 phase
   Explosion Proof

   Motor Starter - Allen Bradley - 609U - Manual Starter with
   Low voltage protection, NEMA 7&9 enclosure.

System are wired for 230 Volt

3. Pressure Gauge - Capsuhelic 0 - 20 PSI

4. Pressure Relief - Gast 3/4" adjustable

5. Outlet Temp - 0 - 550 degrees F

6. Pitot Tube - Dwyer DS-200 with 0-5" H_2O Magnehelic Gauge

Modular Remediation Systems, Inc.

26127 WEST ROUTE 113 COAL CITY, ILLINOIS 60416 TELEPHONE (815) 458-3895 FAX (815) 458-3901

SVES Unit - Wichita, Kansas
Skid Mounted w/ Separate Metal Shelter
Component List

1. Exhauster - Lamson Corporation Model No. TBT-300-2750 Full Flow
   7.5 Hp, 2750 RPM, Capable of 400 ICFM @ 4" Hg.

2. Electrical Equipment

   NEC Code - All unit mounted electrical components meet or exceed Class I , Group D of NEC Article 500

   Motor - Toshiba 7.5 Hp 208/230/460 volt, 3 phase, 60 Hz Frame 213T, 3450 RPM
   Xp Locations - Class I, Grp D
   Class II, Grp F & G

   Motor Starter - Allen Bradley Unilock Cat No. 513-BUA-40
   Class I,Grp C & D and Class II, Grp E,F&G
   280 volt control coil & circuit

   Float Switch - Dwyer Model L6,
   UL and CENELEC: 10A @ 125/250 VAC
   Xp Locations - Class I, Grp C & D - Class II, Grp E,F & G

3. Flow Gauge - Dwyer Magnehelic # 2000-0 gauge
   167-6 CF Pitot tube

6. Vacuum Gauge - Dwyer Magnehelic # 2100

7. Pressure Gauge - Dwyer Magnehelic # 2204

8. Ambient Air Valve - 3" Crane Butterfly Valve

9. Water Trap - MRS 20" with demister and polypropylene hatch

10. Demister - SS304 20" OD x 6" thick

11. Vacuum Relief - Kunkle 215V factory set at 4" Hg